

What is claimed is:

1. An oscillator circuit comprising a resonance circuit formed of a resonator as an inductor component and dividing capacitors, an oscillation amplifier driven by a power
5 voltage connected to said resonance circuit, and a pull-down resistor provided between an output terminal of said oscillation amplifier and ground, wherein said pull-down resistor acts as serially-connected dividing resistors and also a bias capacitor is provided between a connection point between said dividing resistors and ground.
- 10 2. The oscillator circuit according to claim 1, wherein said oscillation amplifier is configured of an emitter coupled logic (ECL) circuit.
3. The oscillator circuit according to claim 1, wherein said oscillator is a crystal oscillator in which a crystal is used in the resonator thereof.
- 15 4. A frequency-switching crystal oscillator wherein a two input, two output type of oscillation amplifier having signals of mutually opposite phase is connected to a resonance circuit formed of a resonator and dividing capacitors; a first resonance circuit provided with a first electronic switch is connected between a pair of input-output terminals for signals of
20 mutually opposite phase; and a second resonance circuit provided with a second electronic switch is connected between another pair of input-output terminals; wherein the resonance frequencies of said first and second resonance circuits are different and also said first and second electronic switches are switched to select one of said resonance circuits.
- 25 5. The oscillator according to claim 4, wherein said oscillation amplifier is configured of an emitter coupled logic (ECL) circuit.

6. The oscillator according to claim 4, wherein said oscillator is a voltage controlled oscillator such that said dividing capacitor acts as a variable-voltage capacitance element and a control voltage is applied thereto to vary the oscillation frequency.
- 5 7. The oscillator according to claim 4, wherein said oscillator is a crystal oscillator in which a quartz crystal is used in the resonator thereof.
8. The oscillator according to claim 4, wherein said oscillator is a ceramic oscillator in which a ceramic is used in the resonator thereof.

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